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Sheet 1 of 2

**Complete if Known**

Application Number	10/033,399
Filing Date	November 2, 2001
First Named Inventor	WANG, Caili
Art Unit	1636
Examiner Name	Gerald G. Leffers, Jr., Ph.D.
Attorney Docket Number	26050-712.201

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA2	1	US-5,770,442	06-23-1998	Cornell Research Foundation, Inc. and GenVec, Inc.	
AA2	2	US-6,593,081	07-15-2003	Medical Research Council and Cambridge Antibody Technology Limited	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>2</sup> - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AA2	3	BERGH, MICHEL L. E. et al. "Expression of the <i>Saccharomyces cerevisiae</i> Glycoprotein Invertase in Mouse Fibroblasts: Glycosylation, Secretion, and Enzymatic Activity. <i>Proc. Natl. Acad. Sci.</i> (1987) 84:(11) 3570-3574.	
AA2	4	BIRD, PHILLIP et al. "Translocation in Yeast and Mammalian Cells: Not All Signal Sequences are Functionally Equivalent" <i>The Journal of Cell Biology</i> (1987) 105:(6) 2905-2914.	
AA2	5	DANNER, STEFAN et al. "T7 Phage Display: A Novel Genetic Selection System for Cloning RNA-Binding Proteins from cDNA Libraries" <i>PNAS</i> (2001) 98:(23) 12954-12959.	
AA2	6	DESAI, PRASHANT et al. "Incorporation of the Green Fluorescent Protein into the Herpes Simplex Virus Type 1 Capsid" <i>Journal of Virology</i> , (1998) 72:(9) 7563-7568.	
AA2	7	DMITRIEV, IGOR P. et al. "Engineering of Adenovirus Vectors Containing Heterologous Peptide Sequences in the C Terminus of Capsid Protein IX" <i>Journal of Virology</i> , (2002) 76:(14) 6893-6899.	
AA2	8	ERLWEIN, OTTO et al. "The Proline-Rich Region of the Ecotropic Moloney Murine Leukaemia Virus Envelope Protein Tolerates the Insertion of the Green Fluorescent Protein and Allows the Generation of Replication-Competent Virus" <i>Journal of General Virology</i> , (2003) 84:369-379.	
AA2	9	FOX CHASE CANCER CENTER. "PGLS20 Vector: A Novel Dual Purpose Vector for Protein Expression in <i>E. Coli</i> and <i>S. Cerevisiae</i> " <i>Fox Chase Cancer Center</i> . 1-3. 2001 AA2	
AA2	10	HITZMAN, RONALD et al. "Secretion of Human Interferons By Yeast" <i>Science</i> (1983) 219:(4585) 620-625.	
AA2	11	INVITROGEN. "pFliTrx Peptide Display Vector: A Cloning Vector for Studying Protein-Protein Interactions." Catalog no. V1126-01 Version D 010402 28-0144 <i>Invitrogen Life Technologies</i> . 1-25. 2002	
AA2	12	JABBAR, ABDUL et al. "Signal Processing, Glycosylation, and Secretion of Mutant Hemagglutinins of a Human Influenza Virus by <i>Saccharomyces cerevisiae</i> " <i>Mol. Cell Biol.</i> (1987) 7:(4) 1476-85.	

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AAA	13	KABA, STEPHEN A. et al. "Baculovirus Surface Display of <i>Theileria parva</i> p67 Antigen Preserves the Conformation of Sporozoite-Neutralizing Epitopes" <i>Protein Engineering</i> , (2003) 16:(1) 73-78.	
AAA	14	LI, LIN et al. "Functional Display of Foreign Protein on Surface of <i>Escherichia coli</i> Using N-Terminal Domain of Ice Nucleation Protein" <i>Biotechnology and Bioengineering</i> , (2004) 85:(2) 214-221.	
AAA	15	NOVAGEN. "T7Select System Manual" Novagen, TB178 Rev.B 0203 United States & Canada 800-207-0144 1-23.	
AAA	16	REN, Z.J. et al. "Phage Display of Intact Domains at High Copy Number: A System Based on SOC, the Small Outer Capsid Protein of Bacteriophage T4" <i>Protein Science</i> (1996) 5:1833-1843.	
AAA	17	STERNBERG, NAT et al. "Display of Peptides and Proteins on the Surface of Bacteriophage λ" <i>Proc. Nat. Acad. Sci.</i> (1995) 92:1609-1613.	
AAA	18	TALMADGE, KAREN et al. "Eukaryotic Signal Sequence Transports Insulin Antigen in <i>Escherichia Coli</i> ." <i>Proc. Natl. Acad. Sci.</i> (1980) 77(6):3369-3373.	
AAA	19	WIEDMANN, M. et al. "Xenopus Oocytes Can Secrete Bacterial Beta-Lactamase" <i>Nature</i> (1984) 309(5969):637-639.	
AAA	20	ZUCCONI, ADRIANA et al. "Selection of Ligands by Panning of Domain Libraries Displayed on Phage Lambda Reveals New Potential Partners of Synaptojanin 1" <i>Journal of Molecular Biology</i> (2001) 307:1329-1339.	

Examiner Signature	<i>Donald P. Kelly</i>	Date Considered	<i>3-2-2005</i>
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